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3 <110> APPLICANT: FEDER, J.N.
         MINTIER, G.
 5
         RAMANATHAN, C.S.
 6
         HAWKEN, D.R.
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         CACACE, A.
 8
         BARBER, L.
 9
         KORNACKER, M.G.
11 <120> TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMY4,
        EXPRESSED HIGHLY IN PROSTATE, COLON, AND LUNG
14 <130> FILE REFERENCE: D0039NP
16 <140> CURRENT APPLICATION NUMBER: 09/966,459A
17 <141> CURRENT FILING DATE: 2001-09-26
19 <150> PRIOR APPLICATION NUMBER: 60/235,833
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22 <150> PRIOR APPLICATION NUMBER: 60/261,776
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26 <151> PRIOR FILING DATE: 2001-07-13
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RAW SEQUENCE LISTING DATE: 02/26/2002 PATENT APPLICATION: US/09/966,459A TIME: 09:40:03

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Output Set: N:\CRF3\02262002\I966459A.raw

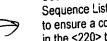
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RAW SEQUENCE LISTING DATE: 02/26/2002 PATENT APPLICATION: TIME: 09:40:03 US/09/966,459A

Input Set : A:\30534117.app

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247 1 5 10 15 249 Gly Leu Glu Met Ile His His His Trp Ile Ser Ile Pro Phe Phe Val Ile 20 25 30 252 Tyr Phe Ser Ile Ile Val Gly Asn Gly Thr Leu Leu Phe Ile Ile Trp 45 45 255 Ser Asp His Ser Leu His Glu Pro Met Tyr Tyr Phe Leu Ala Val Leu 56 60 258 Ala Ser Met Asp Leu Gly Met Thr Leu Thr Thr Met Pro Thr Val Leu 50 258 Ala Ser Met Asp Leu Gly Met Thr Leu Thr Thr Met Pro Thr Val Leu 50 261 Gly Val Leu Val Leu Asn Gln Arg Glu Ile Val His Gly Ala Cys Phe 80 261 Gly Val Leu Val Leu Asn Gln Arg Glu Ile Val His Gly Ala Cys Phe 90 264 Ile Gln Ser Tyr Phe Ile His Ser Leu Ala Ile Val Glu Ser Gly Val 105 267 Leu Leu Ala Met Ser Tyr Asp Arg Phe Val Ala Ile Cys Thr Pro Leu 120 268 115 120 270 His Tyr Asn Ser Ile Leu Thr Asn Ser Arg Val Met Lys Met Ala Leu 271 130 135 273 Gly Ala Leu Leu Arg Gly Phe Val Ser Ile Val Pro Pro Ile Met Pro 274 145	
250 Tyr Phe Ser Ile Ile Val Gly Asn Gly Thr Leu Leu Phe Ile Ile Ile Trp 253	
252 Tyr Phe Ser Ile Ile Val Gly Asn Gly Thr Leu Leu Phe Ile I	
253 35	
255 Ser Asp His Ser Leu His Glu Pro Met Tyr Tyr Phe Leu Ala Val Leu 256	
256	
258 Ala Ser Met Asp Leu Gly Met Thr Leu Thr Thr Met Pro Thr Val Leu 259 65	
259 65	
261 Gly Val Leu Val Leu Asn Gln Arg Glu Ile Val His Gly Ala Cys Phe 262	
262 85 90 95 264 11e Gln Ser Tyr Phe Ile His Ser Leu Ala Ile Val Glu Ser Gly Val 265 100 105 105 110 267 Leu Leu Ala Met Ser Tyr Asp Arg Phe Val Ala Ile Cys Thr Pro Leu 268 115 120 125 270 His Tyr Asn Ser Ile Leu Thr Asn Ser Arg Val Met Lys Met Ala Leu 271 130 135 135 273 Gly Ala Leu Leu Leu Arg Gly Phe Val Ser Ile Val Pro Pro Ile Met Pro	
264 Ile Gln Ser Tyr Phe Ile His Ser Leu Ala Ile Val Glu Ser Gly Val 265	
265	
267 Leu Leu Ala Met Ser Tyr Asp Arg Phe Val Ala Ile Cys Thr Pro Leu 268	
268 115 120 125 270 His Tyr Asn Ser Ile Leu Thr Asn Ser Arg Val Met Lys Met Ala Leu 271 130 135 140 273 Gly Ala Leu Leu Arg Gly Phe Val Ser Ile Val Pro Pro Ile Met Pro	
270 His Tyr Asn Ser Ile Leu Thr Asn Ser Arg Val Met Lys Met Ala Leu 271 130 135 140 273 Gly Ala Leu Leu Arg Gly Phe Val Ser Ile Val Pro Pro Ile Met Pro	
271 130 135 140 273 Gly Ala Leu Leu Arg Gly Phe Val Ser Ile Val Pro Pro Ile Met Pro	
273 Gly Ala Leu Leu Arg Gly Phe Val Ser Ile Val Pro Pro Ile Met Pro	
274 145 150 155 160	
276 Leu Phe Trp Phe Pro Tyr Cys His Ser His Val Leu Ser His Ala Phe	
277 165 170 175	
279 Cys Leu His Gln Asp Val Met Lys Leu Ala Cys Ala Asp Ile Thr Phe	
280 180 185 190	
282 Asn Leu Ile Tyr Pro Val Val Leu Val Ala Leu Thr Phe Phe Leu Asp	
283 195 200 205	
285 Ala Leu Ile Ile Ile Phe Ser Tyr Val Leu Ile Leu Lys Lys Val Met	
286 210 215 220	
288 Gly Ile Ala Ser Gly Glu Glu Arg Lys Lys Ser Leu Asn Thr Cys Val	
289 225 230 235 240	
291 Ser His Ile Ser Cys Val Leu Val Phe Tyr Ile Thr Val Ile Gly Leu	
292 245 250 255	
294 Thr Phe Ile His Arg Phe Gly Lys Asn Ala Pro His Val Val His Ile	
295 260 265 270	
297 Thr Met Ser Tyr Val Tyr Phe Leu Phe Pro Pro Phe Met Asn Pro Ile	
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300 Ile Tyr Ser Ile Lys Thr Lys Gln Ile Gln Arg Ser Ile Leu Arg Leu	
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316 Gly Leu Glu Ala Ala His His Trp Ile Ser Ile Pro Phe Ala Ile	
317 20 25 30	
319 Tyr Ile Ser Val Leu Leu Gly Asn Gly Thr Leu Leu Tyr Leu Ile Lys	



Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/966,459A

DATE: 02/26/2002

TIME: 09:40:04

Input Set : A:\30534117.app

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L:780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 L:1282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 L:1283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 L:1301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 L:1302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 09/966,459
ATTN: NEW RULES CASES	: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220><223> section that some may be missing.
6Patentin 2.0 "bug"	A "bug" in Patentin version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, Palentin would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
•	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences' (NEW'RULES)	Sequence(s) missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
0Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
Use of <220>	Sequence(s) 30 missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
2PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of Patentin version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
3Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001